

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims

The listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A fluid treatment device comprising:
 - a. a housing for receiving a flow of fluid, said housing comprising a fluid inlet and a fluid outlet; and
 - b. at least one assembly of UV sources between said fluid inlet and said fluid outlet, each said assembly comprising at least two UV sources horizontally disposed in a substantially vertical plane transverse to the flow of fluid, at least one of said at least two UV sources being disposed in said plane below such other UV sources as a bottommost UV source, and at least one of said at least two UV sources being disposed in said plane above such other UV sources as an uppermost UV source, said bottommost UV source operating at the same or a higher power level ~~higher than~~ that of all such other UV sources in said assembly such that said fluid flowing below said bottommost UV source receives a UV irradiance that is at least substantially equal to a UV irradiance received by said fluid flowing above said uppermost UV source.

2. (currently amended) ~~A-The~~ fluid treatment device according to Claim 1, wherein each said assembly corresponds to at least one baffle, said at least one baffle operating to direct said flow of fluid into an area of each said assembly such that said fluid passes within a certain maximum distance from at lease one of said UV sources.

3. (currently amended) A method of operating a fluid treatment device according to Claims 1 or 2 wherein each said at least one assembly ~~operates~~ is operable independent of said each other at least one assemblies.

4. (currently amended) ~~A-The~~ fluid treatment device according to Claim 1 or 2 wherein two UV sources are positioned in said substantially vertical plane followed by a third UV source positioned downstream from a midpoint in said vertical plane between said other two UV sources at a distance between about 0.25 and 2 times the distance between said other two UV sources.

5. (canceled)

6. (currently amended) ~~A-The~~ fluid treatment device according to Claim 4 wherein said at least one baffle is adapted to direct said flow of fluid such that about 1/6 of said fluid flows above an uppermost UV source, about 1/6 of said fluid flows below said bottommost UV source and about 2/3 of said fluid flows between said uppermost and bottommost UV sources.

7. (currently amended) A-The fluid treatment device according to Claim 2 having two said UV sources in each said at least one assembly wherein said at least one baffle is adapted to direct said flow of fluid such that about $\frac{1}{4}$ of said fluid flows above said uppermost UV source, about $\frac{1}{4}$ of said fluid flows below said bottommost UV source and about $\frac{1}{2}$ of said fluid flows between said uppermost and said bottommost one UV sources.

8. (currently amended) A-The fluid treatment device according to Claim 1 wherein a ratio of the power of said bottommost UV source to that of all- other UV sources is from about 1.0 to 2.0.

9. (currently amended) A-The fluid treatment device comprising:
- a) a housing for receiving a flow of fluid, said housing comprising a fluid inlet and a fluid outlet;
 - b) at least one assembly of UV sources disposed between said fluid inlet and said fluid outlet, each said assembly comprising at least one UV source, said at least one UV source being horizontally disposed traverse to the flow of fluid; and
 - c) a lower and an upper baffle wherein said lower baffle is longer than said upper baffle such that said fluid flowing below the bottommost of said at least one UV source receives a UV irradiance that is at least substantially equal to a UV irradiance received by said fluid flowing above said uppermost of said UV sources.

10. (currently amended) A fluid treatment device comprising:

- a) a housing for receiving a flow of fluid, said housing comprising a fluid inlet and a fluid outlet; and
- b) at least one assembly of UV sources disposed between said fluid inlet and said fluid outlet, each said assembly comprising at least one UV source disposed between said fluid inlet and said fluid outlet, said at least one UV source being horizontally disposed transverse to the flow of fluid, wherein a bottommost of said at least one UV source is positioned relatively closer to a bottom of said fluid treatment device than an uppermost of said at least one UV source is to a top of said fluid treatment device.

11. (previously presented) A fluid treatment device according to Claims 2 or 9 wherein said at least one baffle is disposed at an angle of between about 90 degrees to 20 degrees to a top and bottom wall of said fluid treatment device.

12. (previously presented) A fluid treatment device according to Claim 3 wherein two UV sources are positioned in said substantially vertical plane followed by a third UV source positioned downstream from a midpoint in said vertical plane between said other two UV sources at a distance between about 0.25 and 2 times the distance between said other two UV sources.

13. (canceled)

14. (previously presented) A fluid treatment device according to Claim 12 wherein said at least one baffle is adapted to direct said flow of fluid such that about 1/6 of said fluid flows above an uppermost UV source, about 1/6 of said fluid flows below said bottommost UV source and about 2/3 of said fluid flows between said uppermost and bottommost UV sources.

15. (previously presented) A fluid treatment device according to Claim 1 wherein a first UV Sensor is positioned at a top of each of said at least one assemblies pointing down at and measuring a UV irradiance from said uppermost UV source and a second UV Sensor is positioned at a bottom of each of said at least one assemblies pointing up at and measuring a UV irradiance from said bottommost UV source.

16. (previously presented) A fluid treatment device according to Claim 15 wherein said measured UV irradiance is used to control a power of said UV sources in each of said at least one assemblies such that said UV irradiance received by said UV fluid flowing below said bottommost UV source is at least substantially equal to said UV irradiance received by said fluid flowing above said uppermost UV source.

Please insert new claims 17-19 as follows:

17. (new) The fluid treatment device according to Claim 2 wherein at least one baffle is arranged to bisect at least one UV source on a parallel axis.

18. (new) The fluid treatment device of Claim 4 wherein the third UV source is positioned at an angle of about 45 to 76 degrees from the vertical plane.

19. (new) The fluid treatment device of Claim 9 wherein said at least one assembly of UV sources comprises at least two UV sources.